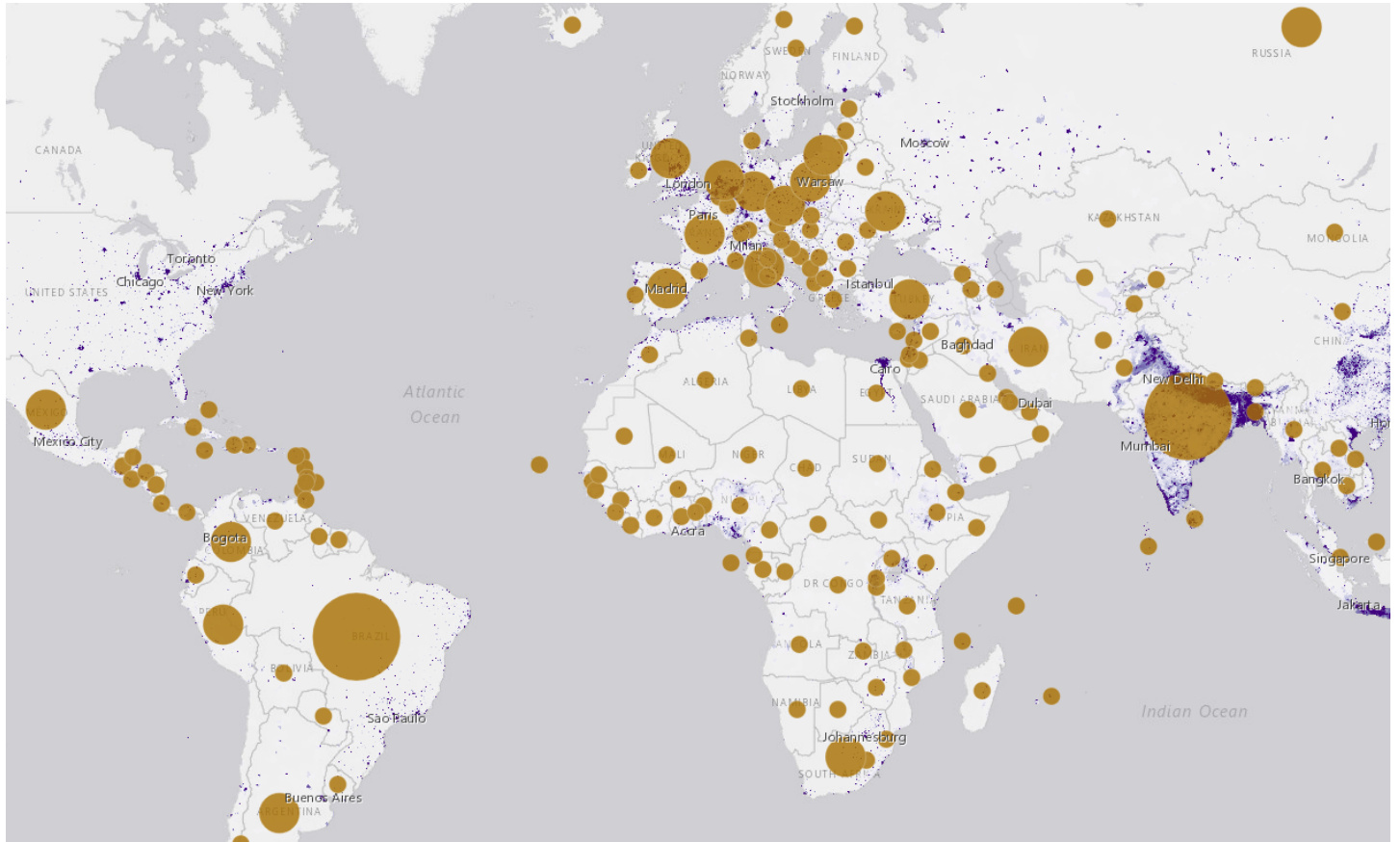
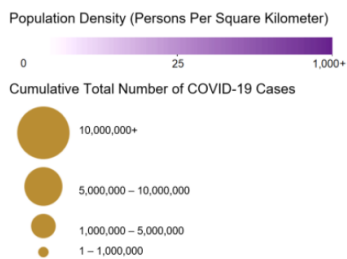


## My NASA Data - Interactive Models

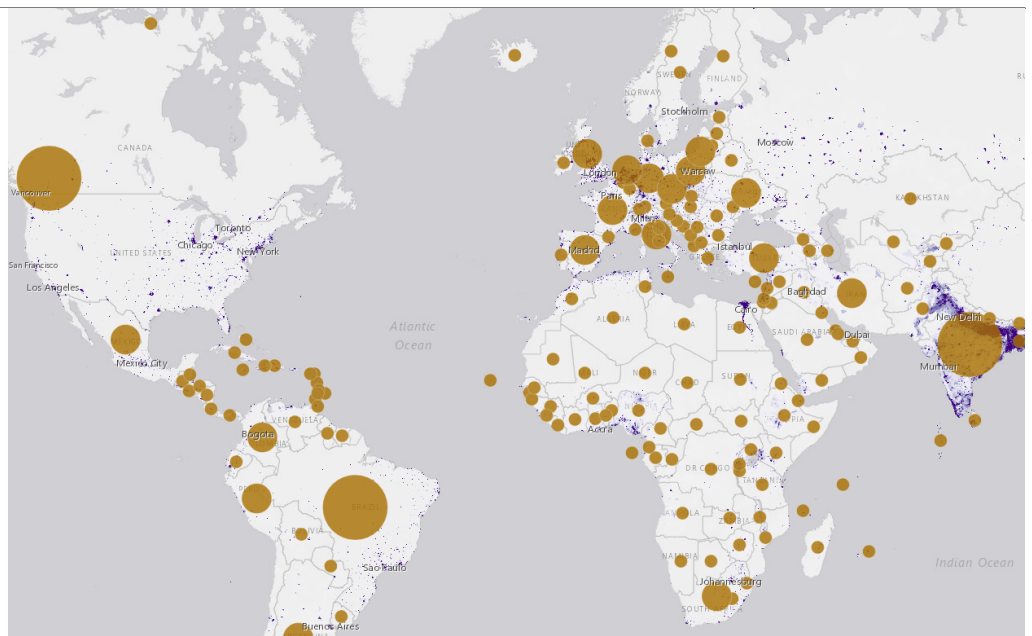
### Exploring Patterns of Human Geography and COVID-19



## COVID-19 Cases Around the World



Since December, 2019, COVID-19 pandemic has touched nearly every country on the planet. The map to the right displays the total number of COVID-19 cases each country has had since the start of the pandemic.



CLICK HERE

## Learning Objectives

- Students will describe how the spread of COVID-19 is affected by population density.
- Students will explain why patterns in the spread of COVID-19 are happening over time.

## Essential Questions

- What factors influence the spread of COVID-19?
- How is the spread of COVID-19 affected by human behavior?
- How do we quantitatively describe and compare countries' total COVID-19 cases?

## Materials Required

- Computer/Tablet
- Internet Access
- Google Form (optional)
- Link to [Exploring Patterns of Human Geography and COVID-19 Interactive Model](#)

## Teacher Answer Key

Teachers who are interested in receiving the answer key, please complete the [Teacher Key Request and Verification Form](#). We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.

## Grade Band

- [6-8](#)

- 
- [9-12](#)

## Supported NGSS Performance Expectations

- [MS-LS1-5: Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.](#)
- [MS-LS2-1: Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.](#)
- [MS-LS2-4: Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.](#)
- [HS-ESS3-6: Use a computational representation to illustrate the relationships among Earth systems and how those relationships are being modified due to human activity.](#)

## NGSS Disciplinary Core Ideas

- [LS1B: Growth and Development of Organisms](#)
- [LS2A: Interdependent Relationships in Ecosystems](#)
- [LS2C: Ecosystems Dynamics, Functioning and Resilience](#)
- [ESS3C: Human Impacts on Earth Systems](#)

## Science and Engineering Practices

- [Developing and Using Models](#)
- [Analyzing and Interpreting Data](#)
- [Constructing Explanations and Designing Solutions](#)

## Crosscutting Concepts

- [Patterns](#)
- [Cause and Effect](#)
- [Stability and Change](#)

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## Related Resources

- [Exploring Patterns of Human Geography and COVID-19 Interactive Model](#)